S/194/61/000/009/013/053 D222/D302

9,7200

AUTHORS:

Morozov, M.A. and Nikolayev, N.S.

TITLE:

Electronic analogue computer for traction calcula-

tions

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 9, 1961, 17, abstract 9 Bl15 (V sb. Kibernetika i avtomatiz. trasp. protsessov, M., Transzheldoriz-

dat, 1960, 233-245)

TEXT:

An analogue computer ATP -1 (ATR-1) is described which has been developed by the NII control VM, Mosgiprotrans and MPS to facilitate and accelerate traction calculations. The principle of mathematical analogues was used in the construction. The number of variables that can be represented in the model is practically unlimited. The general form, block-schematic diagram, circuit diagrams of the units, the method of setting up problems and solving them are given. 7 figures. 5 references.

Abstracter's note: Complete translation

Card 1/1

MOROZOV, N. A.

Central Inst. of Eriteriology and Historiology, (-194-)

"The Staining by Livering ofter coross of Engterior Therefore,"

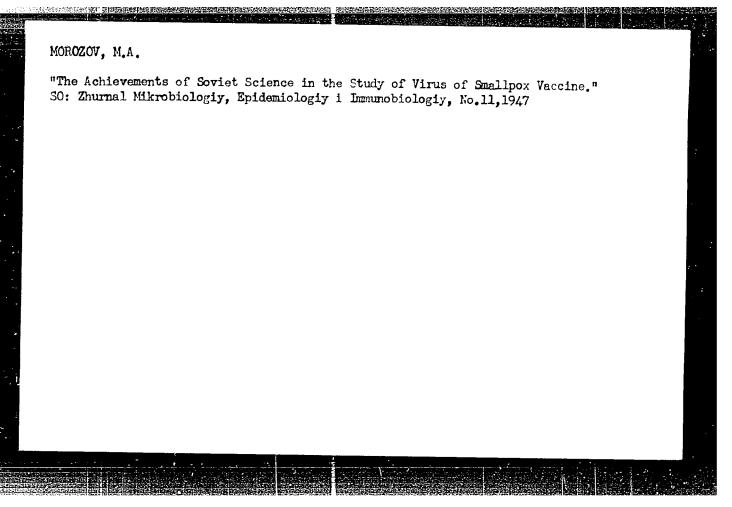
Zhur. Historiol., Epidemiol., i Isranobiol., No. 6, 1944.

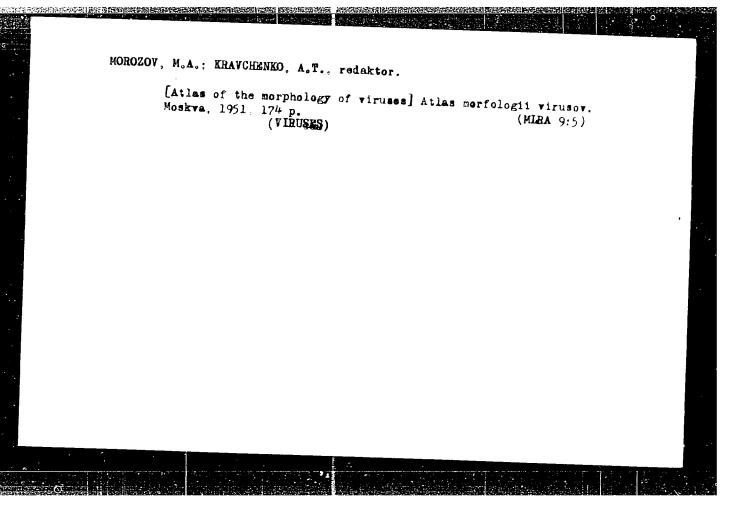
MCROZOW, M. A.

Central Inst. Epidemiology and Microbiology, (-1944-)

"To the methods of titration of microbic Justensions on the dry preparations,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 16-11, 1944





MOROZOV, M. A.

Oct 53

USSR/Medicine - Viruses

"Specific Agglutination and Lysis of Viruses," M. A. Morozov, M. I. Korol Pova, Smallpox Div, Inst of Epidemiol and Microbiol im Jamaleya, Acad Sci USSR

Zhur Mikro Epid i Imman, No 10, pp 72-75

Lysis of elementary bodies of vaccinia virus takes places as a coult on the social.

If hyperimmune a run. Lest method if order of a conflict suspension of elementary bodies is by collection, virtual the use of ethor. The virus subjected to lysis loses conscity for infection. M. I. Korolikova obtained similar results with elementary bodies of A virus of influenza in 1951.

26cT24

## MOROZOV, M.A. Virus-like bodies in schizophrenia. Zhur. nerv. i psikh. 54 no.9: 735-740 S '54. (MLRA 7:9) 1. Institut virusologii AMN SSSR. (SCHIZOPHRENIA, etiology and pathogenesis, virus-like bodies) (VIRUSES, schizophrenia, virus-like bodies)

MOROZOV, "I.A.; KONSTANTINOVA, V.I.; KOROL'KOVA, M.I.

Relation of the nervous system to the origin and course of the vaccination reaction. Zhur.mikrobiol.epid. i immun.no.ll: 27-31 N '55.

1. Ix ospennogo otdela Instituta epidemiologii i mikrobiologii imeni N.F.Gamalei AMN SSSR (dir.-prof. G.V.Vygodchikov) (NEHYOUS SYSTEM, physiology, eff. on reaction to vacc. in rabbits)

(VACCINES AND VACCINATION, eff. on nervous system physiol. in rabbits)

MOROZOV, M. A., and KOROL'KOVA, M. I.,

"On Obtaining a Highly Virulent Heat and Dryness Resistant Strain of Small Pox Vaccines" [paper read at a meeting of the institute's Scientific Council held during the first half of 1955.] Proceedings of Inst. Epidem and Microbiol im. Gammaleya 1954-56.

Variola Division, Morozov, M. A., head, Inst Epidem and Microbiol im. Gamaleys AMS USSR.

SO: Sum 1186, 11 Jan 57.

MOROZOV, M. A., KONSTANTINOVA, V. I., and KOROL'KOVA, M. I.

"Concerning the Origin and Course of a Vaccination Process Which is Dependent on the Condition of the Nervous System." Proceedings of Inst. E Epidem and Microbiol im. Gamsleya 1954-56.

Variola Division, Morozov, M. A., head, Inst. Epidem and Microbiol im. Gamaleys AMS USSR.

SO: Sum 1186, 11 Jan 57.

&SR/Virology - Human and Anima: Viruses.

E-2

Abs Jour

: Ref Zhur - Biologiya, No 1, 1957, 406

Author

: M.A. Morozov and M.I. Korol'kova

Inst Title

: Modification of the Virus of Smallpox.

Orig Pub

: Izmenchivost' mikroorganizmov, M., Medgiz, 1956, 113-116

Abst

: In order to establish the transformation of the virus of natural smallpox into a vaccine virus, two experiments were carried out on rabbits with the subsequent vaccination of calves with the vaccine. The initial virus of natural smallpox which possessed strong pathogenic and toxic properties, after each passage, was transformed into a good quality virus of smallpox vaccine, producing on vaccination of humans only local symptoms and serving as an excellent prophylactic agent against natural smallpox. By passages in animals, this new quality was strengthened and transmited by heredity, providing valuable and high

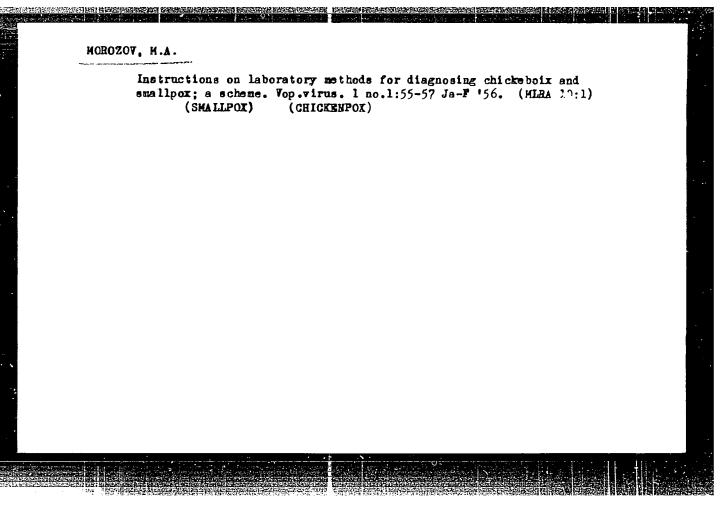
Card i/2

USSR/Virology - Human and Animal Viruses. E-2

Abs Jour : Ref Zhur - Biolog\_ya, No i, 1957, 406

quality production strains from which smallpox vaccine was prepared.

Card 2/2



E-3

USSR/Virolo y - Human and Animals Viruses.

Abs Jour : Ref Mur - Biol., No 12, 1958, 52652

Author : Morozov, M.A., Korolikova, M.I.

Inst : -

Title : Experiments in Titration of Immunogenic Properties

Callpon Vaccine.

Orig Fub : M. aikrobiol., epidemiol., i irramobiologii, 1997, H 7,

7-10

Abstract : Rabbits were subdurally infected by neurolapinus and at

the same time were vaccinated with the tested dermoveded strains. A record was kept of the number of survivals. The authors believe that the number of rabbits surviving a subdural infection of 4-5 Del is directly proportional to the level of immunogenic properties of the smallest vaccine strain, vaccinated at the same time onto the same of the back. Of the 8 strains tested, the most immunogenic

one was found to be the neurolapinus strain, in see all

Card 1/2

- 6 -

USCR/Virology - Human and Anicals Virusec.

Abs Jour : Ref Zhur - Biol., M. 12, 1,56, 52652

place was the azinovaccine, while the Krasnodar surain was weaker than the others. -- F.I. Leykina

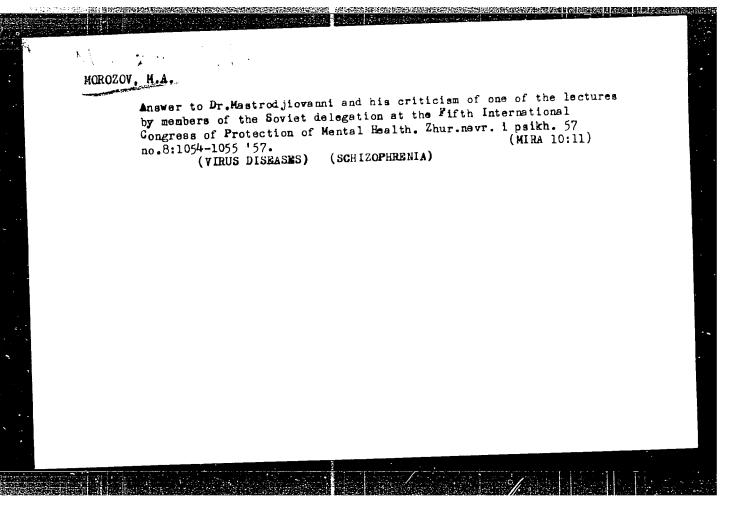
Card 2/2

MOROZOV, N.A.; KOMSTANTINOVA, V.I.

Comparative evaluation of methods for ietermining immunizing orperties of smallpox vaccinal strains. Zhur.mikrobiol.epid. i immun. 28 no. (MIRA 10:12)

10:75-78 0 '57.

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR. (VACCINIA, virus, vaccinal strains, determ. of immun. properties (Rus))



· morozov 12.11

26-55-5-10/57

AUTHOR:

Bergol'ts, V.M., Candidate of Medical Colences

TITLE:

On the Problem of Etiology of the Neoplasms (K vaprosu ab etiologii opukholey). At the Second All-Union Congress of Oncologists (Na 2-m vsesoyuznom s''yezde onkologov)

PERIODICAL:

Priroda, 1958, Nr 5, pp 57-59 (USSR)

ABSTRACT:

The Second All-Union Conference of Oncologists in January 1958 dealt with problems of the etiology of tumors, pretumor diseases, chemotherapy of tumors, tumors of the bones, and the organization of the anti-cancer fight in the USSR. At the first oncologists' conference 11 years ago, only one paper by Professor L.A. Zil'ber dealt with the virus theory of cancer. This theory became one of the principal themes at the new conference. It was opened by N.N. Petrov, the oldest oncologist of the USSR and Hero of Socialistic Labor The first paper was delivered by Professor L.A. Zil'ber. It was intitled "On the Virus Nature of the Tumors of Man" and described over 20 tumors and similar processes in animals, the virus origin of which he thinks has been proved Among them were the sarkoma and leucosis of chickens, the papilloma and fibroma of rabbits, mammary gland cancer and

Card 1/4

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On the problem of Etiology of the Neoplasms. At the Jecond All-Union Congress of Oncologists

leucosis of mice. Under the electron microscope, viruslike etiologic agents were found in matter isolated from the tissues of men suffering from leucosis, but the virus origin of most malignant tumors of man have not as yet been demonstrated. A.D. Timofeyevskiy found virus-like globular bodies measuring from 40 to 80 millimicrons in the extracts of diverse tumors of man (cancer of the stomach, the mamary gland, the lung, sarkoma, etc). Immunological reactions showed the specific nature of these bodies. Professor L.F. Larionov criticized the virus theory. He based his doubts on data from medical literature but thought it was possible that some animal tumors were of virus origin, although there is no evidence yet with respect to man Frofessor M.A. Morozov, in his paper "Virusoscopic observations in Malignant Tumors of Man", holds that virus penetration from without is the etiologic factor. I N. Mayskiy and M. M. Kapichnikov delivered a paper on the immunology of malignant neoplasms. In sarkoma of chickens and several tumors of man, special antigens were found. This agrees with A.D. Timofeyevskiy's discovery of virus-like bodies

Card 2/4

26-58-5-10/57

On the Problem of Etiology of the Neoplasms. At the Second All-Union Congress of Oncologists

found in the blood and tissues of people suffering from malignant neoplasms. These bodies could be cultivated in chicken embryoes and possess specific antigen properties. It was demonstrated in the State Oncological Institute imeni P.A. Gertsen that in the organism of leucosis patients a non-cellular etiologic agent can be found that has many characteristics of a virus. Most oncologists, however, did not hold true that viruses are the only etiologic factor in malignant tumors. They think that chemical substances and penetrating radiation must be considered of similar etiologic importance. The papers delivered by L.M. Shabad, M.F. Glazunov, A.M. Neyman and others were concerned with the morphological and experimental data characterizing the pre-cancer stage in various tissues and organs of the animal organism. According to L.M. Shabad, every cancer has its special "pre-cancer". The importance of early diagnosis and therapeutic measures was stressed once more. Professor L.F. Larionov pointed out that more than 30 chemical drugs have been successfully administered against malignant tumors in recent years in the USSR. The drugs include the follow-

Card 3/4

26-58-5-10/57

On the Problem of Etiology of the Neoplams. At the Second All-Union Congress of Oncologists

ing groups: hormones (estrogens, androgens, cortisone); antifolic drugs (aminopterin); derivatives of purine and pirimidine (mercaptopurine); chlorethylamines and their derivatives (embichine, nitromine, derganol, dopan sarkolysine); ethylenimines (TET, TEF, E 39, etc); esters of methanesulfooxylic acids (mileran); antibiotics (aktinomycin, sarkomycin), etc. In some cases, such as lymphogranulomatosis, metastases of cancer of the mammal gland, seminoma, etc; long-term healing was achieved by aid of these drugs. While they are useful in cases of lymphogranulomatosis and leucoses, there is almost no way they can be on he in the more important and frequent cases of malignant tumors of the stomach, alimentary tract, lungs, etc. Although 23 papers dealt with the results of new experimental research, new methods of a combined chemotherapy, radiation treatment and surgical measures were recommended.

ASSOCIATION:

AVAILABLE: Card 4/4 Gosudarstvennyy onkologicheskiy institut imeni P.A. Gertsena, Moskva (State Oncological Institute imeni P.A. Gertsen, Moscow, Library of Congress

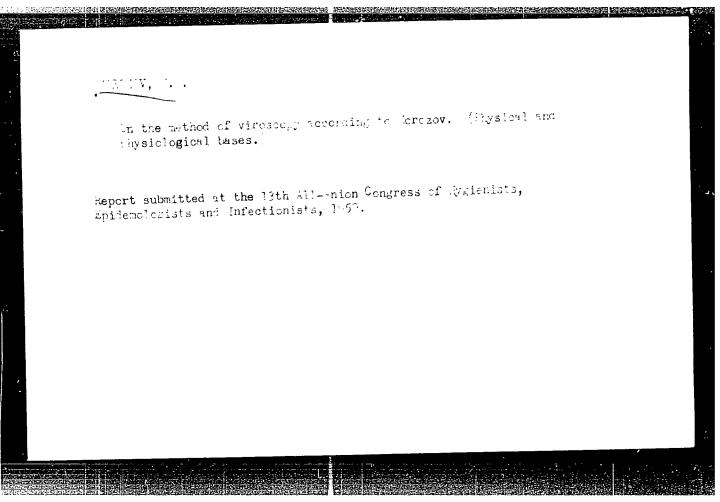
1. Cancer research - USSR 2. Tumors - Therapy

# MOROZOV, M.A. Basic results of studying smallpox and other viral diseases in the USSR; a review. Zhur.mikrobiol.epid. i immun. 29 no.7:90-98 J. 158 (MIRA 11:8) 1. Is Institute epidemiologii i mikrobiologii imeni Gemale i AMN SSSR. (SMALLPOX, review (Rus)) (VIRUS DISEASES, review (Rus))

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MOROZOV, M.A.; BORISHPOLETS, V.I.; BORISHPOLETS, Z.I., kand.med.nauk

Clinical aspects, etiology, and treatment of Behoet syndrone. Vest.
oft. 71 no.2:22-27 Mr-Ap '53. (MIRA 11:4)

1. Deystvitel'nyy chlen AMN SSSR (for Morozov). 2. Kafedra glaznykh
bolezney (zav.,-prof. M.L. Krasnov) TSentral'nogo instituta
usovershenstvovaniya vrachey i ospennyy otdel Instituta epidemiologii i
mikrobiologii imeni N.F. Gamaleya AMN SSSR.
(BEHOET SYNDROME
clin. aspects, etiol. & ther.)
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MOROZOV, M.A.; KONSTANTINOVA, V.I.

Determination of smallpox vaccine virulence. Zhur.mikrobiol.,epid.i immun. 30 no.ll:56-59 N '59. (MIRA 13:3)

1. Iz Instituta epideriologii i mikrobiologii imeni Gamalei AMN SSSR. (SMALLPOX immunol.) (VACCINES)

### MOROZOV, M.A.

Viroscopic observations in scarlet fever. Zhur. mikrobiol. epid. i immun. 31 no. 5:34-36 My '60. (MIRA 13:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

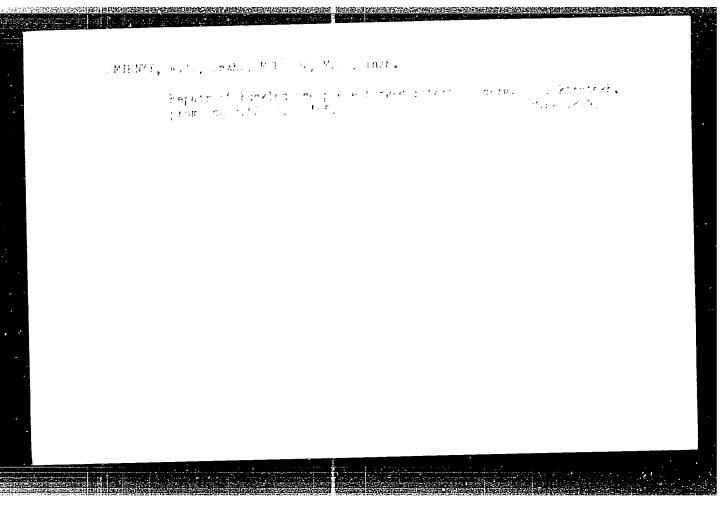
(SCARLET FEVER)

MOROZOV, M.A.; KONSTANTINOV, V.I.

Correlation between virulance and immunogenic properties of

vaccinal smallpox strains. Zhur.mikrobiol. epid. i immun. 32
79-84 Ap '61. (MIRA 14:6)

l. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR. (SMALLPOX)



 MOROZOV, M.A.		
System for the wetting of extrus suspensions. Kauch. 1 rez. 24 no	ion rubber goods with a	emulsions and
•		(MIRA 18:10)
l. Yaroslavskiy zavod rezinovykh	tekhnicheskikh izdeliy	<b>'•</b>

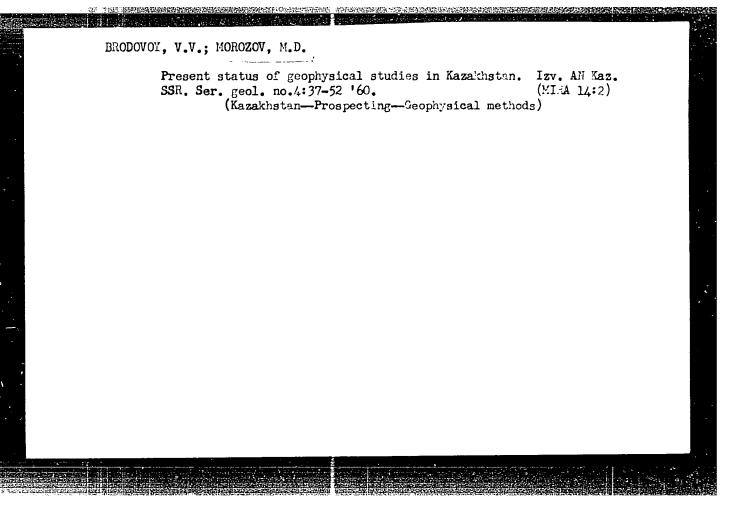
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	i. Zamestitelt Nosetokky troke kitionego kojog	·: ':: · · · · · · · · · · · · · · · · ·	Glavnyz	107. 3 : 111	

MOROZOV, M.A.; BALAYAN, L.B.; KWLIKOVA, M.F.

Stability of dry smallpox vaccioes treated with penicillia.
Zhur. mikrobiol., epid. 1 immun. An no.6:165-168 Je '6'.

(MIRA 1".c)

1. Iz Instituta epidemiologiiimikrobiologii imeni lamalei
AMN SSSR.



ANDREYEV, A.P.; BRODOVOY, V.V.; GOL'DSHMIDT, V.I.; KUZ'MIN, Yu.I.; MOROZOV, M.D.; EYDLIN, R.A.

Crustal subsurface structure of Kazakhstan and methods for its study. Izv. AN Kazakh. SSR. Ser. gool. 21 no.4:3-15 Jl-Ag '64. (MIRA 17:11)

1. Iliyskaya geofizicheskaya ekspeditsiya i Geofiztrest, Alma-Ata.

ANDREYEV, A.P.; HRODOVOY, V.V.; GOL'DSHMIDT, V.I.; KUZ'MIN, Yu.I.; MCROZOV, M.D.; EYDLIN, R.3.

Distribution of deep faults in Kazakhstan. Izv. AN Kazakh. Sur. Ser. geol. 22 no.4:11-17 J1-Ag '65.

(MIRA 18:9)

ACC NRI AT6028379	SOURCE CODE: UR/0000/65/000/000/0142/0154
Zhivoderov, A. B.; Zlavdinov,	nov, G. R.; Bredovoy, V. V.; Gol'dshmidt, V. I.; L. Z.; Ivanov, O. D.; Klenchin, I. N.; Kolmogorov, in, Yu. I.; Euminova, M. V.; Kunin, N. Ya.; M. I.; Marchard, D.; Pret'nakov, V. G.; Tychkova, ydlin, P. A.
ORG: none	
TITLE: Geophysical sketch map	of Fazakhotan
	cal Congress. 22d, New Delhi, 1964. Geologicheskiye i (Geological results of applied geophysics); doklady 2. Moscow, Izd-vo Nedra, 1965, 142-154
TOPIC TAGS: Kandanstan geophy:	sic , map, recommendant mapping, tectonics regions
ARCTRACT. O- the bests of rec	toral georbysical and geological investigations
physical fields of Kazakhstan zones, deep structures, and ge	electric), a composite geophysical sketch map of the has been compiled. From this map, the major tectonic ological structural zones are defined. Long zones onts in the gravitational and magnetic fields reflect sounding data suggest are scarps in the M-discontinu

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Among the major structural zones of Kazakhstan define 2) the Petropavlovskaya, 3) the Uspenskaya, 4) the To Naymanskaya. Regions of magmatism are also defined.  Naymanskaya. Regions of magmatism are also defined.  zones, contour lines indicate the thickness of the se zones, contour lines indicate the thickness of the se folded basement, and possible oil-bearing formations.	Ill the team overlying the
folded basement, and possible oil-bearing formations	63
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Title: Geophypical research i	· racianistan and see in the contract
SCUNCE: Ref. zh. Geofizika, Al	53. 12 <i>0</i> 9a
RAF SOURCE: Sb. Vopr. 3201. K.	anakhotana. Nima-Ata, Manhu, 1999, 1992-119
Ascimulate decomposal formous pensions in all stages of geod coismic prospecting, "Sometime velocations and lower which crust characteristics are residual, scarch for abeful and so a schemulic propayment may be directions for facture governer	ic prospecting, gravingeria prospecting, ori prospecting were started in Administration for lower, and the constant of the control of the con
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ACC NR: AR6032150

SOURCE CODE: UR/0169/66/000/006/D012/D013

AUTHOR: Morozov, M. D.; Gol'denberg, Ye. S.; Brodovoy, V. V.

TITLE: The state of geophysical operations in Kazakhstan and ways to improve their geological effectiveness

SOURCE: Ref. zh. Geofizika, Abs. 6D87

REF SOURCE: Sb. Geofiz. issled. v Kazakhstane. Alma-Ata Kazakhstan, 1965, 3-8

TOPIC TAGS: seismic prospecting, prospecting, seismologic station, geologic survey, geographic survey, geochemical survey, gravimetric survey, nonferrous metal, rare metal, oil bearing area, gas beraing area/Kazakhstan

ABSTRACT: The extent of geophysical operations in Kazakhstan is increasing continuously. By 1965 the number of seismic prospecting teams in the republic increased to 93 (as against 83 in 1962), the number of electric prospecting teams to 202 (as against 180), magnetic prospecting teams to 200 (as against 150), and the number of gravimetric prospecting teams increased to 124 (as against 77). It is noted that since 1948 the geophysical crews and expeditions working in mining areas

Card 1/3

UDC: 550.830(574)

### ACC NRI AR6032150

were set up as organizations equipped to solve specific geological tasks by a set of geophysical, geological, and geochemical methods. In recent years the methods and equipment introduced and developed in Kazakhstan include the following: those for geophysical and seismological stations with magnetic recording, electric dipole probing and formation of electromagnetic fields; ANCh-1 electrical prospecting equipment; M-18 magnetometers; the AMM-13 airborne magnetometer; the ASG-46 air geophysical station; radio geodetic tie-in of the planning situation of air geophysical routes; and the geochemical study of accessory elements and of the primary halves of metal dispersion. Methods of induced polarization and high-accuracy gravimetry, which have made it possible to discover new deposits of iron, chromites and nonferrous metals, are being applied in the mining areas. The use of digital computers in the processing of geophysical materials has been initiated. The introduction of seismological investigations within the complex of geophysical methods has been in progress in recent years. A rational combination of seismological observations and seismic operations in depth will aid in investigating hidden regions by seismic methods. Prospecting operations for oil- and gas-bearing structures are being expanded, especially in Western Kazakhstan. Together with seismic prospecting in areas promising to yield oil or gas, use should also be made of gravimetric surveying. Studies directed toward ascertaining the possibility of prospecting

Card 2/3

ACC NR: AR6032150				
directly for oil and gases by geophysical continued. In searches for ore mineral for prospecting nonferrous- and rare-m of loose formations, becomes ever mor	atal denosits overlapped by a	thick mantle		
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ACC NR: AP7004554 SOURCE CODE: UR/0215/66/000/006/0034/0047 AUTHOR: Andreyev, A. P.; Brodovoy, V. V.; Gol'dshmidt, V. I.; Kuz'min, Yu. I.; Morozov, M. D.; Eydlin, R. A. ORG: Kazakh Geological Trust (Kazakhskiy geologicheskiy trest) TITLE: Deep tectonic regionalization of kazakhstan on the basis of geophysical data SOURCE: Sovetskaya geologiya, no. 6, 1966, 34-47 TOPIC TAGS: tectonics, earth crust / Kazakhstan ABS TRACT: All available data are reviewed for the purpose of tectonic regionalization of Kazakhstan. In particular, observations along a series of profiles with a total length of 4,600 km were used. A merit of the article is that the authors describe exactly how all materials were used in regionalizing the area, and the study could be used as a model for regionalization of other areas on the basis of equivalent information. The graphic representation of the generalized data is particularly clear and easily interpreted. Fig. 2 shows analysis of the gravity field over columns of the earth's crust of identical thickness in different areas; Fig. 2 effectively shows the generalized characteristics of the deep structure of the principal tectonic blocks of Kazakhstan; Fig. 4 is a composite map of the distribution of deep faults and areas of intrusive magmatism in Kazakhstan; Fig. 5 is a map of the tectonic regionalization on the basis of geological-geophysical data Orig. art. has: 5 figures. JPRS: 38,4607 Card 1/1 SUB CODE: 08 / SUBM DATE: none / ORIG REF: 018 UDC: 550.3:551.24(574)

ACC NR: AR6032146 SOURCE CODE: UR/0169/66/000/006/G005/G005

AUTHOR: Andreyev, A. P.; Brodovoy, V. V.; Gol'dshmidt, V. I.; Kuz'min, Yu. I.; Morozov, M. D.; Eydlin, R. A.

TITLE: Abyssal tectonic zoning of the territory of Kazakhstan according to geophysical data

SOURCE: Ref. zh. Geofizika, Abs. 6G32

REF SOURCE: Sb. Geofiz. issled. v Kazakhstane. Alma-Ata, Kazakhstan, 1965,

9-27

TOPIC TAGS: geophysics, geology, geographic location, tectonics, earth crust

ABSTRACT: A description is given of the sequential development of the geological interpretation of geophysical data, from factual material to maps of the abyssal structure of the earth's crust and the typification of its individual blocks, the quantitative characteristics of the abyssal fractures, and the development of a system of geotectonic zoning. It is shown that the Moho discontinuity (M) was built according to graphoanalytic correlation dependencies between zonal anomalies and the delineation of the M boundary, and studied according to deep seismic

Card 1/3

UDC: 550.311(574)

ACC NR: AR6032146

sounding and deep seismic profiling. An isodepth system of the "basalt" and "diorite" surface layers was built. Knowledge of the delineation of the M surface makes it possible to construct systems of isopachous lines of the "basalt" layer. A simultaneous analysis of the Moho and Conrad discontinuities provides data for the definition of the structure of the earth's crust in various regions. The coefficient of basalt saturation (Ka), equal to the relation between the thickness of the "basalt" layer and the general thickness of the earth's crust, is used to define individual blocks. Earth-crust blocks of similar structure are defined by similar coefficient values (0.77 and 0.67 for the Akbastau and Kokchetav massifs, respectively, 0.38 for the Russian platform, etc.) The simultaneous analysis of the definition of the core of interfaces makes it possible to suppose that zonal anomalies can be caused by a possible heterogeneity in the density of the mantle. Maps of anomalous magnetic fields, gamma fields, etc., and geological information are brought out to study the structure of the "granite" layer aside from the gravitation field. The authors synthesize the data obtained and work out regional tectonic delimitations of areas of intrusive magnetism, abyssal fractures, deepseated faults, preorogenic synclinales, foredeeps, intermountain depressions, superimposed troughs, etc. The deep faults are divided into 4 groups: those reflected in the M surface; those not reflected in it, but controlled by ultrabasite belts; those manifested in the "basalt" layer; and those dying out in the "granite" Card 2/3

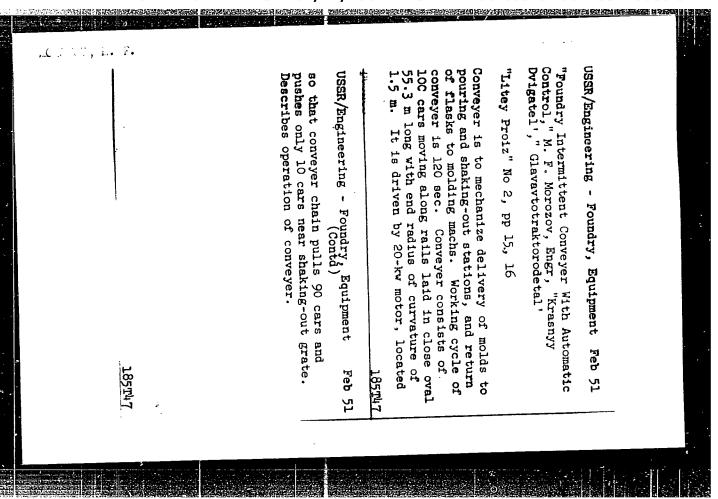
and "diorite" layers. The structure of the basic geotectonic blocks of the Kazakhstan-Caspian tectonic syncline, group of ancient rigid folding structures, kazakhstan-Caspian tectonic syncline, group of ancient rigid folding structures, and including the Kokchetav, Balkhash, Akbastau, Slavgorod, and Aral blocks, and including the Kokchetav, Balkhash, Akbastau, Slavgorod, and Aral blocks, and including the Kokchetav, Balkhash, Akbastau, it is shown that the faults of the first areas of Caledonian and Hercynian folding. It is shown that the faults of the foldows group are cancer Kazakhstan; the displacement of blocks group are concentrated mainly in the north-east and meridional The faults of the second group are oriented mainly in the north-east and meridional The faults of the second group are those of the third and fourth groups. directions. They are widespread, as are those of the third and fourth groups. The complex tectonic-formation block structure of Kazakhstan is caused by the Coincidence of the main abyssal faults. The bibliography contains 28 entries.

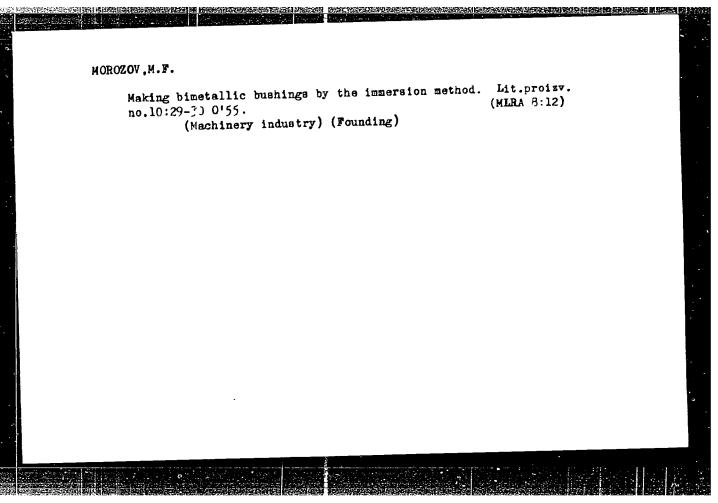
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	ACC NR. AR6024837 SOURCE CODE: UR/0169/66/000/004/GOU	3/6004_	
	AUTHOR: Bekzhanov, G. R.; Brodovoy, V. V.; Gol'dshmidt, V. I.; Zhivoderov, A. Zlavdinov, L. Z.; Ivanov, O. D.; Kichin, I. N.; Kolmogorov, Yu. A.; Bachin, A Kotyarov, V. M.; Kuz'min, Yu. I.; Kuminova, H. V.; Kunin, N. Ya.; Lyubetskiy, Helent'yev, H. I.; Morozov, H. D.; Tret'yakov, V. G.; Tychkova, T. V.; Tsaregr V. A.; Eydlin, R. A.	V. G.;	
	TITLE: A schematic geophysical map of Kazakhstan		
	SOURCE: Ref. zh. Geofizika, Abs. 4G17	•	
	REF SOURCE: Sb. Gool. rezul'taty prikl. geofiz. Geofiz. issled. stroyeniya ze kory. M., Nedra, 1965, 142-154	emn.	
	TOPIC TAGS: geologic survey, geologic prospecting, map	<u>.</u>	
	ABSTRACT: Regional geophysical surveys are conducted in Kazakhstan to divide territory into tectonic regions, to study its plutonic structure, and to solve territory into tectonic regions. The results of these surveys will make it peroblems of geophysical mapping. The results of these surveys will make it peroblems of second sections in which minerals are likely to be to establish structural belts and regions in which minerals are likely to be the basic material will be obtained from investigations of the magnetic and gravitional fields in combination with seismic studies. In the magnetic and gravifields, tectonic and plutonic seams are isolated which correspond to terraces	ossible . found. — ravita- : tational	
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·	ACC NR AR6024837  Kohorovicic discontinuity. Hethods of regional geophysics are used to study the plu- tonic structure of a folded base, the structure and thickness of sedimentary sheaths, tonic structure of a folded base, the structure and thickness of sedimentary sheaths, and to indicate prospective petroleum bearing uplifts. [Translation of abstract] H. Speranskiy	
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- 2. USSR (600)
- 4. Itucks
- 7. Comparative data on fattening different breeds of makes, Ititish dievo, No. 11, 1955.

9. Monthly List of Russian Accessions, Library of Congress, March, 1955. Unclassified.

MCROZOV, M. G., Engineer

"Investigation of the Properties of Liquid Tympan." Sut 24 Mar 47,
Moscow Polygraphic Inst

Dissertations presented for degrees in science and engineering in
Moscow in 1947. Cond Technical Sci

50: Sum.No. 457, 18 Apr 55

BUMAZHNYY, Lev Csipovich; MCBOZOV, Mikhail Georgiyavich; FLORINSKIT, I.I., red. izd-va; Svændlov, A.G., tekhn. red.

Magnitogorsk. Bed. kollegiia: P.V. Abrosimov i dr. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958.

22 p.

1. Soyuz arkhitektorov SSSR.

(Magnitogorsk--Description)

MCKOZIK MC

AUTHOR:

Morozov, E. J.

77-1-22/30

TITLE:

Interaction of the Supersonic Flow With the Rectilinear Hollow on a Flat Plate (Vzaimodeystviye sverkhzvukovogo potoka s pryamougolinym uglubleniyem na ploskoy plustine).

PERIODICAL:

Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 1, pp. 163-169

(JSSR)

ABSTRACT:

In the course of the last years works on the investigation of the interaction of the supersonic air flow with bodies showing transversal hollows on the surface were carried out in the laboratory for combustion-physics of the Institute for Energy AN USSR. The results obtained on the occasion of the investigation of a plate with a rectilinear hollow are given. Data on the distribution of static stress, of the coefficient of the "restoration" and of the coefficient of heat transfer along the bottom of the hollow at various depths of the hollow are given. The depth of the cavity has surpassed the depth of the bouncary layer before the change from the laminar into the turbulent flow by several times. It is demonstrated that the two types of flow occurring are not only distinguished by the snape of their stream line but also by an important difference as to the distribution of static stress, by the coefficient of the restoration and the coefficient of heat transfer. In the range of the depth measurings investigated the

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CIA-RDP86-00513R001135220008-9" **APPROVED FOR RELEASE: 07/12/2001** 

Interaction of the Supersonic Flow With the Rectilinear Hollow on 57+1-22/30 a Flat Plate.

flow pattern, the distribution of stress and heat transmission for the first flow pattern inclusive, is determined mainly by the ratio of the length of the hollow to its depth. The presence (or occurring) of a hollow of that kind in the body intensifies heat transmission. The work was carried out under the lirection of the corresponding member of the AK USSR A. S. Predveditelev. Scientific chief cooperator Motalevich V. P. assisted. There are 8 figures, 3 refere ces, 1 of which is Silvic.

ASSOCIATION: Power Institute imeni G. M. Krzhizhanovskiy AS USSR Moscow

(Energeticheski, inst. i., d. M. arzhizhanovskowo an Saba meskva).

SUBMI.TED: February 26, 1)58

AVAILABLE: Library of Congress

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MRCZCY, M. G.: Master T al. Tull ( 160) -- "En. with not the vite of notice of notice

10.2000

s/179/60/000/02/005/032 E031/E213

AUTHOR:

Morozov, M. G., (Moscow)

TITLE:

Acoustic Radiation From Cavities Over Which There is a

Supersonic Flow of Air,

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1960, Nr 2,

pp 42-46 + 2 plates (USSR)

ABSTRACT: The experiments were conducted in a supersonic wind tunnel with an open working section of 27 by 27 mm, in which the lower wall served as the model, parts of it being movable at right angles to the flow to provide cavities of different depth h and length  $\ell$  (along the tunnel). To investigate the effect of the state of the boundary layer and the form of the cavity on the acoustic radiation, and to study the flow over a series of cavities, a metallic model with a milled surface was used as the floor of the cavity. The nominal Mach number of the

Rectangular cavities were the first experiments was 1.7 objects of study. The Reynolds number before the discontinuity in the floor calculated from the air parameters at the wall temperature was 120 000. An expression is given for the frequency of the acoustic

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S/179/60/000/02/005/032 E031/E213

Acoustic Radiation From Cavities Over Which There is a Supersonic Flow of Air

radiation as a function of the incident flow velocity The validity of the and the length of the cavity. expression is recognised to be limited. Next. more general types of cavity were considered, among which were triangular ones with vertical front walls or vertical rear walls. Finally, a succession of cavities is considered. These are either various rectangular or triangular shapes, or a series of smooth arcs. Acoustic radiation is observed only from the first two of the three rectangular cavities. The picture is complicated in the case of the triangular cavities. There does not appear to be acoustic radiation from the series of smooth arcs. But in all the cases the thickness of the boundary layer increases sharply after the cavities. A series of experiments was conducted to investigate the effect of the thickness and state of the boundary layer on the acoustic radiation. In discussing the results, it is stated that the ultrasonic radiation is the result of the appearance of a separation in the travelling waves. The cause may be (1) vortices breaking away from the

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Acoustic Radiation From Cavities Over Which There is a Supersonic Flow of Air

trailing edge of the cavities; (2) instability of the boundary of the separating line; (3) the excitation of a volume of air in the cavity similar to the excitation of an acoustic resonator. Photographs show that behind the cavities the boundary layer has a periodic character, The scale was approximately proportional to the length of the cavity. It is thought that vortex filaments which appeared are an auxiliary phenomenon, and do not determine the mechanism by which the oscillations are excited. Causes for the formation of travelling waves on the surface of separation are discussed. It is concluded that the appearance of travelling waves of the surface of separation (mixing region) is the result of the appearance of a self-oscillatory system consisting of the boundary of separation and a volume of air in the cavity. There are 4 figures and 7 references, 1 of which is English and 6 Soviet (one being the Russian translation of an American textbook),

SUBMITTED: July 7, 1959

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**AUTHORS:** 

Valeyev, Kh.S. Vorontsev. Yu. N. and Morozov M.G.

TITLE:

Spark Generator with a Flash Duration of Less Than

l µs

PERIODICAL:

Pribory i tekhnika eksperimenta. 1960. No 2,

pp 122 - 123 (USSR)

ABSTRACT:

A device is described which can be used to produce light flashes having a duration of less than 1 us. The device is used to obtain photographic records of

the flow pattern in an ultrasonic aerodynamic tube. / The principle of the instrument was described by Fitzpatrick and Hubbard (Ref 1) and Beams e al

(Ref 2). A general scheme is illustrated in Figure 1. The device consists of a capacitor with a spark gap 2, a high resistance R (equal to 200 MQ), a DC voltage source and a blocking device

l which earths the capacitor when the supply is switched off. A cylindrical capacitor with a calcium

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titanate dielectric having an electrical strength of  $\nu$  18 - 22 kV/mm, a resistivity of 10 - 10  $\mu$  cm and a

CIA-RDP86-00513R001135220008-9" **APPROVED FOR RELEASE: 07/12/2001** 

S/120/60/000/02/032/052 R032/E314

Spark Generator with a Flash Duration of Less Than 1 Ls

dielectric constant of 140 - 150 was employed. Other materials which can be employed are solid solutions of barium titanate, strontium titanate and "SVT material". Figure 2 shows the illuminating device. It consists of a capacitor and a spark gap formed by the leads | and 2 , having 1.5 mm dia tungsten electrodes at the ends. The dielectric 5 of the capacitor was made of calcium titanate and the electrode 4 of silver, In order to reduce the impedance, the length of the leads to the spark gap was kept as small as possible. Tungsten was chosen in order to reduce afterglow. The device is held in position by the metal holder 3 fixed to an earthed base and is charged through the line 7 . The charge is excited by a high-voltage generator (AKI-50) through a resistor of 200 MA (glass tube 2.5 x 2.5 mm<sup>2</sup> ~1 m in length filled with alcohol and using fused molybdenum electrodes). voltage of 16 - 20 kV and a spark gap of 5-10 mm the  $\angle$ 

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Spark Generator with a Flash Duration of Less Than 1 .s

discharge frequency lay between 0.5 and 0.5 cps (in atmosphere at NTP). The illuminator was used to obtain photographic records of processes in an ultrasonic aerodynamic tube. The processes could also be estimated visually in view of the low frequency involved. There are 3 figures and 2 English references.

ASSOCIATION: Gosudarstvennyy issledovatel skiy elektrokeramicheskiy institut (State Research Institute for Electroceramics),

SUBMITTED: January 25, 1959

Card 3/3

S/170/60/003/03/23/034 B014/B007

10.3000

AUTHOR:

Morozov, M. G.

TITLE:

The Spark Schlieren-photography Process in Investigations of a Circular Flow Round Bodies in an Aerodynamic Supersonic

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Tunnel |

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 3,

pp, 126-128

TEXT: In the introduction, the author describes the spark device, which consists of a d.c. high voltage source, a high alcohol resistor with 200 megohms, and a coaxial cable-capacitor with spark gap. Fig. 1 shows a photograph of this device. For the schlieren photographs a Tepler Maksutov apparatus of the type <u>MAS-451</u>%(IAB-451) was used. Fig. 2 shows two pictures of the flow round a cylinder having an 8 mm diameter by a free air current with the Mach number 1.7. The first of them was taken after an exposure of 10-6 seconds, the second after an exposure of

X

2.10<sup>-3</sup> seconds. It may be seen herefrom that spark photographs and ordinary photographs supplement each other favorably. Fig. 3 shows a

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The Spark Schlieren-photography Process in Investigations of a Circular Flow Round Bodies in an Aerodynamic Supersonic Tunnel

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spark-schlieren photograph of the boundary layer of a plane plate. From this photograph it is possible to determine accurately the transition of the boundary layer flow from laminar to turbulent flow, and to draw conclusions as to the thickness of the boundary layer. There are 3 figure and 3 references: 1 Soviet and 2 English.

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo

AN SSSR, g. Moskva

(Institute of Power Engineering imeni G. M. Krzhizhan wakiy

of the AS USSR; City of Moscow)

Card 2/2

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Yer Unenko, V. M., Horozov, M. G., Motulevich, V. C., Potrov Yu. M. and Pushkin, V. D.

A was synamic installation with an 200 % 1740:

interferometer

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men. 1.., Ah 333k, 1901, 51-59)

limit in abort teapri, tiph of a wind tunnel constructed at the ina ratory of compastion physics. The tunnel is fed either from the rator cottle battery with a capacity of 17.0 m2 at a pressure of col kg/cm4, or the air is sucked into the tunnel from the tund-sphere. The working part of the installation is placed in an unifel chamber in which a rarefaction up to p - 10 mm Hg is pr 1. ... by a vacuum installation consisting of five pre-vacuum camps of the campa of the consisting of the constallation constallati (71.-63) types. The tunnel is provided with an electric heater se-Jard 1/2

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suming an air temperature up to 400 $^{9}$ ). A set of example in ( ), , , Profiled Lordies makes it possible to change the Wich! had no From infrisonic values to k = 3.1 juring vacuum with the constsiin of the working part is 30 - 40 mm (exact dimensions are not Tiven in the paper). The are optical viewing gradues in the cylingrical higher mamber (Lorentz in themeter. The tunnel is provided with a operainate device and with appiratus for measuring and resording the pressures and the constants (thermosouples, manometers, vacuum meter, automosts neburders, pscillographs. Optical observation of flow can be made with the aid of the interference-shadow device IT-14 which is a simulaition of a Mach-Bender type interferometer with legion's my.ce. Special measures are taken for isolating the option inwhere from viorations (an isolated support with ampling name) sugnions. The II-14 sevice is provided with photographic conservarise wir litemarkstang devices of various types, among the conoperx installation with an exposure less than 10-9 mg. The lagest is illustrated by interferograms. [ Aboutracter's note: Junglish translation. 7

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10 1500

Morozov, M.G., Yeroshenko, V.M. and Petrov, Yu N.

TIPLE

AUTHORS

Flow in stagnation zones on the surface of bodies in a supersonic air stream

PERIODICAL

Referativnyy zhurnal, Mekhanika, no. 2, 1962, 28, abstract 2B161 (V sb. Fiz. Gazodinamika i teploobmen. M. AN Sook 1961, 60-65)

TEXT The authors give the results of experimental investigation of the flow in a rectangular depression on a plane plate in a supersonic air stream. The experiments were carried out in a supersonic wind tunnel, the Mach number being M = 1.69. By observing the behavior of sounding devices placed in the depression, the presence of a strong backward flow was established. Measurements of pressure drop showed that the velocity of stream near the front wall of the depression is small. However, the behavior of sounding devices and the track of a drop photographed on the transparent lateral wall of the working part of the tube show that there

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Flow in stagnation zones on the ...

is no region of gas at rest near the front wall of the depression. Graphs are given illustrating the variation of static pressure at the rear wall of the depression for different widths of the latter and different heights of the front wall. To determine the velocity of backward flow near the bottom of the depression, pressure measurements were carried out with the aid of sounding devices. As a result, the Mach number of the backward flow for a certain width of the depression was found to be approximately 0.3. It is noted that the introduction of the sounding device into the stagnation zone caused an appreciable distortion of the stream and there fore the value of Mach number so obtained cannot be regarded as sufficiently accurate. Abstracter since Complete translation 1.

Card 2/2

\$/885/62/000/000/034/035 D234/D308

AUTHORS:

Petrov, Yu. N. and Morozov, M. G.

TITLE:

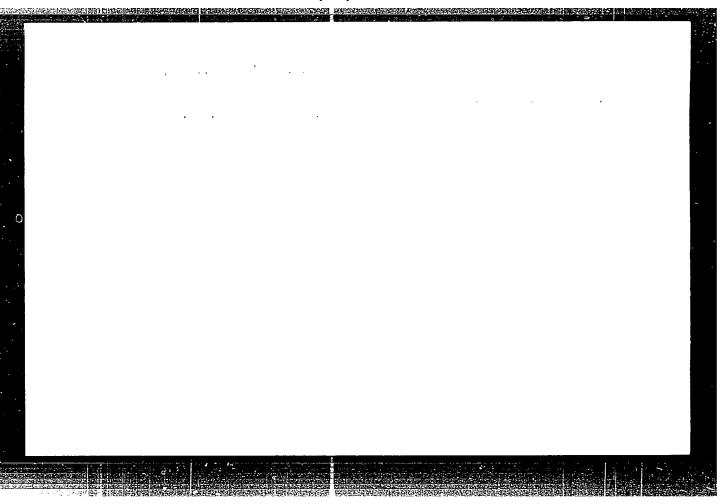
Measurement of heat flows by the exponential method

SOURCE:

Akademiya nauk SSSR. Energeticheskiy institut. Fiziches-kaya gazodinamika, teploobmen i termodinamika gazov vysokikh temperatur. Moscow, Izd-vo AN SSSR, 1962, 300-303

TEXT: The authors investigated the effect of the 'history' of the boundary layer on the measurement of heat flows on cylinders, wedges, cones and plates in supersonic air streams. The experiments are described in detail. Conclusion: in all experimental measurements of heat exchange with supersonic flows using nonstationary methods one must take into account the 'history' of the boundary layer, i.e. the initial temperature distribution and the variation of heat exchange along the surfaces. There are 4 figures and 1 table.

Card 1/1



PROPERTY OF THE PROPERTY OF TH EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/ Pf-4 8/0145/64/000/011/0129/0133 ACCESSION NR: AP5002338 AUTHOR: Morozov, M.G. (Candidate of technical sciences, Docent); Varvashevich K. K. (Engineer) TITLE: The structure and properties of the fusion zone of perlific and austenitic steel SOURCE: IVUZ. Mashinostroyeniye, no. 11, 1964, 129-133 TOPIC TAGS: steel structure, steel mechanical property, perlitic steel, austenitic steel, chromium content, weld seam ABSTRACT: At present, steels with various physical properties and chemical compositions are often welded together. When austenitic and non-austenitic steels are welded, metal layers are formed in the fusion zone with reduced properties. The diffusion processes in the joint lead to a heterogeneous structure in the weld, and a martensitic type metal is formed. In the present work, metallographic magneto-metallographic, magnetic anisotropic and mechanical tests and colored oxide films were used to investigate the welds. A bridge was used to measure the stresses in the joint. The colored oxide films supplemented metallographic and magnetic tests, as well as measurements of microscopic hardness and stress. The main method for testing the composition and welding process was microscopic analysis. Hardness tests showed that the highest values were near the 1/2 Card

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ACCESSION NR: AP5002338

location of the austenitic steel. The stresses were lowered by heat treatment, since normalizing and annealing relieved the internal stress and tempering led to disintegration of the martensite. Analysis of the tests indicates that the quality of welding of different steels is affected not only by the austenite content, but also by the chromium content. Consequently, the austenitic content coefficient should be corrected by a factor showing the chromium content. Bending tests were made until cracks appeared in the metal, this being the most rigid test of all for welds. Analysis of the data obtained showed a definite relationship between the width of the martensitic zone, its hardness and plastic properties and the austenite content. Orig. art. has: 5 figures and I table.

ASSOCIATION: Taganrogskiy radiotekhnicheskiy institut (Taganrog radio engineering institute)

SUBMITTED: 27Apr63

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AUTHORS: Morozov, M. G. (Candidate of technical sciences, Docent); Varvashavich, K. K. (Engineer); Lobanova, L. V. (Engineer)

TITLE: On the transition zone structure of plated steel

-51

SOURCE: IVUZ. Mashinostroyeniye, no. 2, 1965, 162-164

TOPIC TAGS: martensite steel, perlite steel, plating, steel microstructure

ABSTRACT: The structure of the layer between steel 20 and a coating of stainless steel Khl8NOT was studied. This example is typical for all perlite type steels plated with austenitic steels. Carbon from the perlite skeel and alloy elements from the stainless steel diffuse into the transition zone and form a martensite structure. Studies of the microstructure of this zone were not conclusive, mainly because of the minimal thickness of the zone. A method of colored layers was used for the examination of changes due to diffusion. The microstructure of a sample is discussed, and changes in microhardness are shown in a simple graph. In the case of peeling of the coating, brittle imperfections were observed in the

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ENT(m)/EMP(f)/EPF(n)-2/ENA(d)/T-2/ENP(t)/ETC(m)-6L. 22446-66 ENT ( ACC NR: AP6013608 SOURCE CODE: UR/0143/65/000/009/0115/0119 JD/WW/DJ AUTHOR: Lavysh, A. I. (Engineer); Morozov, M. G. (Candidate of technical sciences; Docent ) ORG: Belorussian Polytechnic Institute (Belorusskiy politekhnicheskiy institut) TITLE: Wear resistance of alloys used in gas turbines 30 SOURCE: Izvestiya vysshikh uchebrykh zavedeniy. Energetika, no. 9, 1965, 115-119 TOPIC TAGS: gas turbine, wear resistance, heat resistant alloy, austenite, austenitid steel, heat resistant steel The authors propose that the determination of the resistance to abrasive wear at high temperatures be used as the griterion for the preliminary evaluation of the wear resistance of the alloys used in gas turbines operating in a dust-laden gas flow (or liquid flow). On the basis of the wear resistance tests of alloys at 400, 500 and 600°C it is shown that in austenitic heat resistant alloys the relationship between chemical composition and wear resistance at high temperatures is a function of the coefficient of austenite content. Thus, at relatively low temperatures the alloys with lower coefficients of austenite content display a higher wear resistance. The increase in temperature leads at first to a leveling of the wear resistance of austenitic steels and subsequently to the relative increase in the Z Card 1/2

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SOURCE CODE: UR/0055/66/000/006/0108/0113

AUTHOR: Morozov, M. G.; Baryshev, Yu. V.

ORG: Department of Hydromechanics (Moscow University), Scientific Research Institute of Mechanics (Otdel gidromekhanika, NIIM)

TITLE: Supersonic flow past bodies of revolution with annular recesses

SOURCE: Moscow. Universitet. Vestnik. Seriya I. Matematika, mekhanika, no. 6, 1966, 108-113

TOPIC TAGS: supersonic aerodynamics, stagnation pressure, shock wave, aerodynamic drag, laminar flow, turbulent flow

ABSTRACT: The results of an experimental investigation of supersonic flows past bodies of revolution with annular recesses of various lengths by means of a wind tunnel in the Mach ranges M = 1.79 to 3.69 and  $R_{\rm e}$  = 2.9 x  $10^5$  to 10.5 x  $10^5$  for 1 cm are presented. Various cylindrical models 6 to 60 mm in diameter with conical forward sections and with annular recesses of different lengths and depths were considered. The length of the recess  $l_{\rm CT}$  called critical for which the flows changed from flows with one to flows with two stagnation regions and also its ratio to its depth were determined experimentally from schlieren photographs. An attempt was made to establish the relationship between  $l_{\rm CT}/h$  and M and  $R_{\rm e}$ . The results of measurements on aerodynamic drag confirmed the conclusions from an analysis of the

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UDC: 533.

available data stating that the transition from the first to the second type of flow is accompanied by a jump-type increase in drag, thus an increase in the diameter of the rear cylinder in the region l<sub>Cr</sub> may lead to a decrease in drag, and vice versa. The transition from the first type of flow to the second occurs in a quite narrow range of the value Kl<sub>Cr</sub>/L = 12 to 22, where k is the coefficient accounting for the curvature of the model. Orig. art. has: 5 figures.

SUB CODE: 20/ SUBM DATE: 12Nov65/ ORIG REF: 003/ OTH REF: 003/ ATD PRESS: 5107

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ACCESSION NR: AP5025993 UR/0294/65/003/005/0765/0770

621.313.2:538.4

AUTHOR: German, V. O.; Morozov, M. G.

6%

TITLE: Direct current plasmatron and some experimental results of its operation

SOURCE: Teplofizika vysokikh temperatur, v. 3, no. 5, 1965, 765-770

TOPIC TAGS: plasma generator, plasma physics, temperature measurement

ABSTRACT: The article shows a longitudinal section of the plasmatron (See Enclosure 01). The electrode is in the form of cylindrical tubes, whose outer surfaces are cooled with water. The diameter of the nozzle 5 is 30 mm, and the inner diameter of the rear electrode 1 is somewhat larger than the diameter of the nozzle. The body of nozzle 6 and the vortex chamber 3 are electrically insulated from the body of the rear electrode by Plexiglass packing 2. To avoid erosion of the electrodes and to maintain stable burning of the arc, the working gas is introduced tangentially into the vortex chamber; the regulating valve on the vortex chamber 7 makes it possible to change the rate of whirling inside the nozzle at constant gas feed. A copper insert 9 in the rear electrode limits the Cord 1/3

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ACCESSION NR: AP5025993

free displacement of the arc. The plasmatron was fed by a direct current generator with a rated voltage of 750 volts. A table shows the characteristics of the unit. Depending on the consumption of the working gas and the polarity of the electrodes, the power in the arc varied from 200 to 355 kilowatts. The efficiency changed with a change in the polarity of the electrodes; the highest value was achieved when the nozzle served as the cathode (0.7-0.75). The consumption of working gas varied from 19 to 48 grams/sec. The mean velocity of the gas at the nozzle varied from 350 to 750 meters/sec, and the mean mass temperature of the gas stream varied from 2500 to 4500 K. An investigation of the pulsations of the electric parameters and the rotation of the arc showed the presence of vibrations, divided into three groups according to frequency: of the orders of 1, 10<sup>3</sup>, and 10<sup>4</sup> cycles. "The authors express their thanks to G. A. Lyubimov for his interest in the work and for his help." Orig. art. has: 6 figures and 1 table

ASSOCIATION: Nauchno-issledovatel'skiy institut mekhaniki MGU im. Lomonoso-

(Scientific Research Institute for Mechanics, MGU)

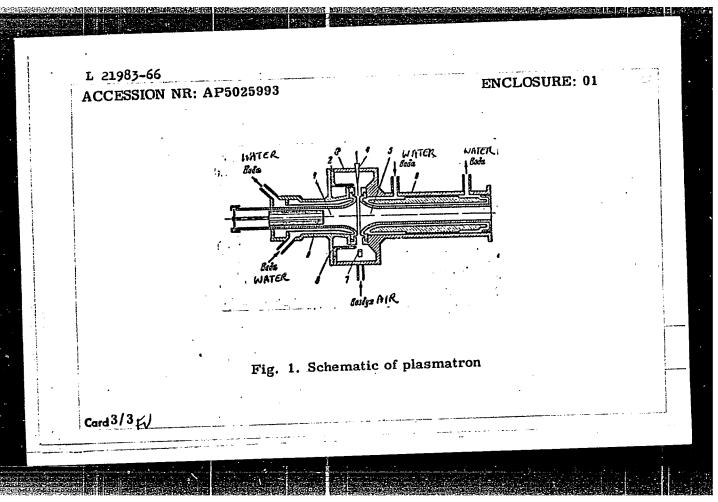
SUBMITTED: 01Dec64

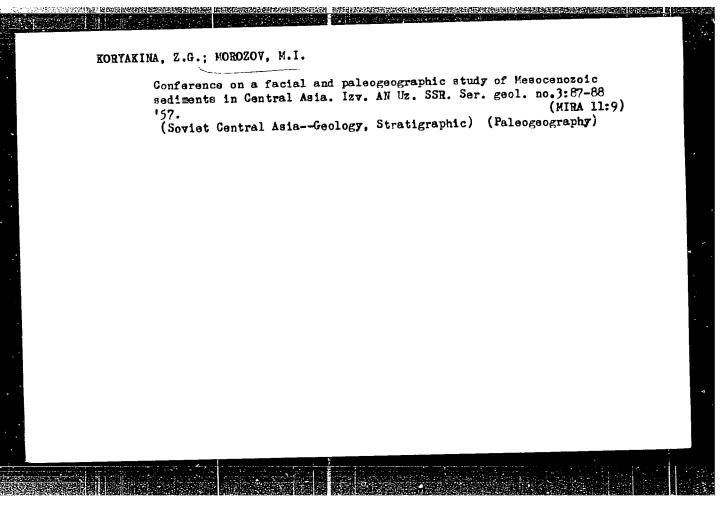
ENCL: 01 OTHER: 004 SUB CODE: 20

NR REF SOV: 007

**APPROVED FOR RELEASE: 07/12/2001** 

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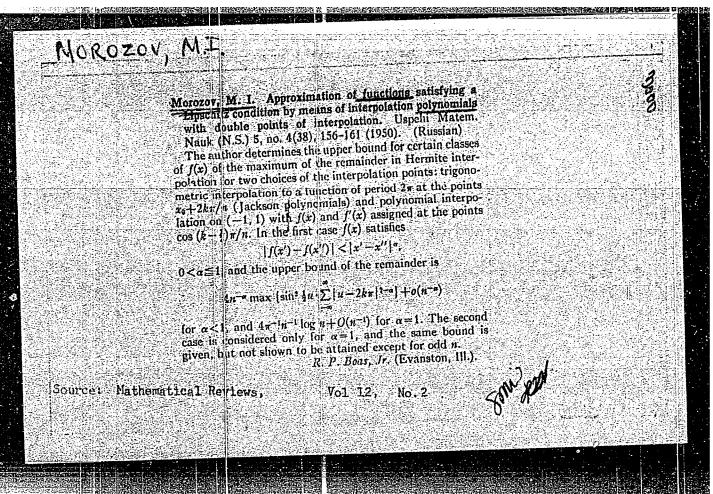


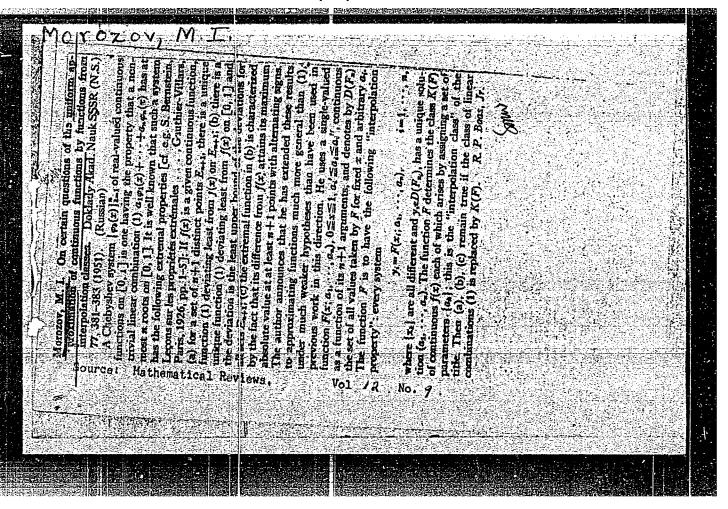
IVANOV, Yu.M., prof.; PANFILOVA, A.L., nauchnyy sotrudnik; PANFEROV, K.V., nauchnyy sotrudnik; PETRI, V.N., prof.; MOROZOV, -M.I., nauchnyy sotrudnik; PERMIXIN, I.P., nauchnyy sotrudnik

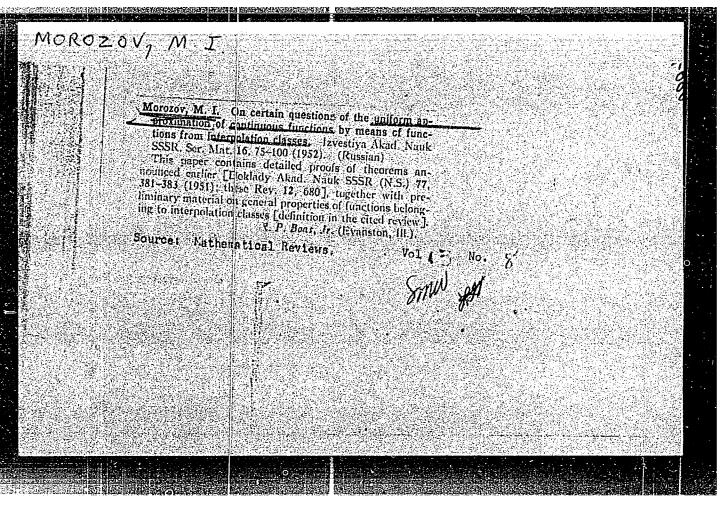
Moisture-resistant parquet staves made of birch or beech. Rats. i izobr. predl. v stroi. no.5:27-30 '58. (MIRA 11:6)

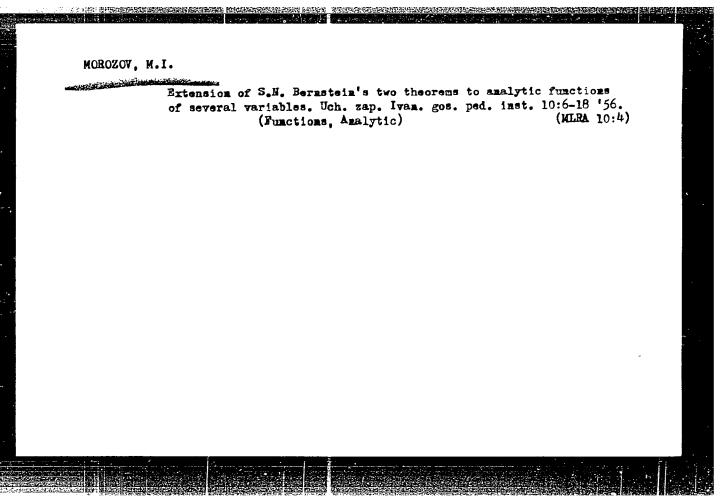
1.TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Alademii stroitel'stva i arkhitektury SSSR (for Panfilova, Panferov), stantsiye Perovo - 3 Moskovskoy oblasti. 2.Sverdlovskiy filial Vessoyuznogo nauchno-issledovatel'skogo instituta promyshlennykh sooruzheniy (for Morozov, Permikin), Sverdlovsk, ul. Krenkelya, d.5. (MIRA 11:6)

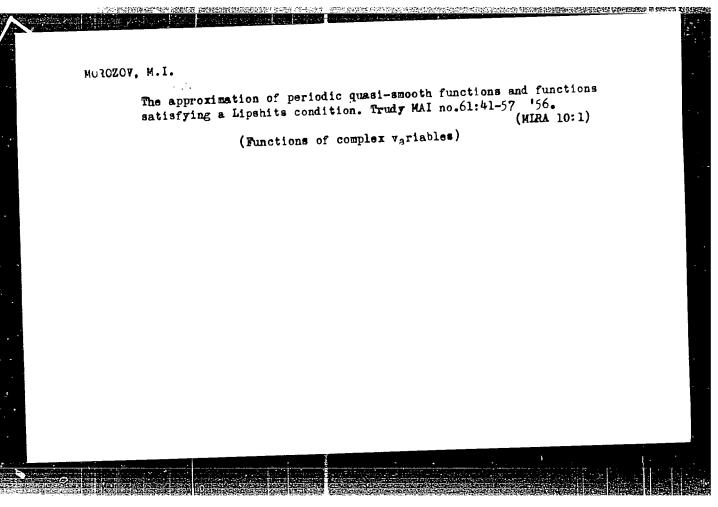
(Parquet floors)

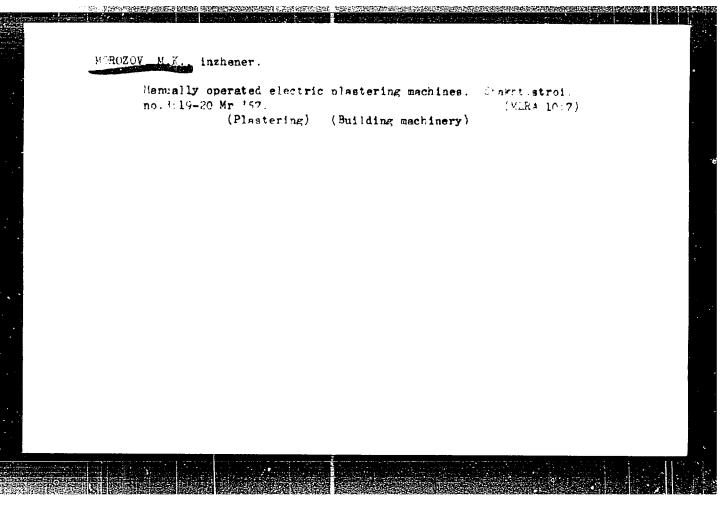


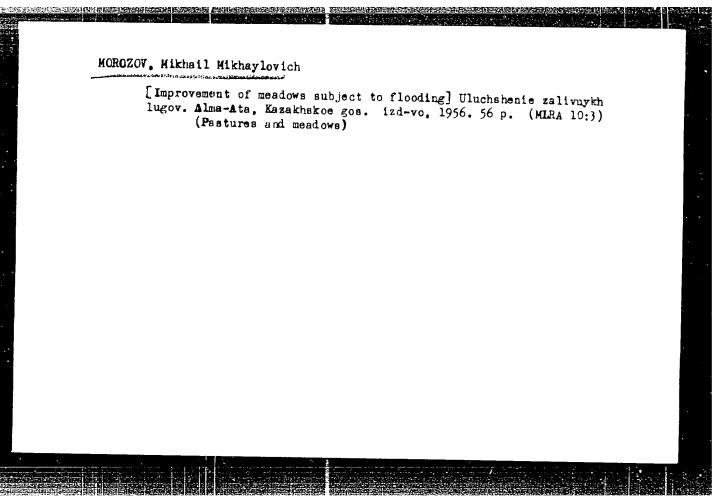












USSE/Soil Science, Tillage, Land Reclamation, Erosion.

J-5

Abs Jour: Ref Zhur-Ticl., No. 6, 1958, 24813.

Author : Morozov. M.M.

Inst

Title : Deep Unbanked Tillage of the Autumn Plough-Land in

Kazakhstan.

Orn; oub: Zemledeliye, 1997, No. 9, 21-24.

Abstract: No abstract.

Card : 1/1

57

MOROZOV, M.M.

Surgical suite. Khirurgiia 35 no.8:130-134 Ag '59. (MIRA 13:12)
(SUHGERY, OPERATIVE) (HOSPITALS.--ADMINISTRATION)

MOROZOV, M. M.	57/49T32
25.16t//25	Electric Power Condensers  "Value of Static Condensers for the Improvement of the Cosine &," M. M. Morozov, Cand Tech Sci, 3½ pp  "From Energet" No 5  Points out advantages to be derived through use of static condensers for increasing power factor. Considered to be best means available for building up reserve power and improving service. Compares tabulated data for various commercially produced  Tondensers. Stresses importance to national economy of increasing production of heavy-current static condensers of high quality, expanding condenser research, and disseminating data for optimum condenser use

MOROZOV, M. M.

"Joviet Capacitor Construction and its Immediate Problems", Slextromestvo,
No. 11, Fr 10-19, 1949.

Cand. Tech. Sci Condenser Flant, Ministry of Elec Industry
30: W-19949, 11 Oct 1951

MOROZOV, Mikhail Mikhaylovich

Cand. Technical Sci.

Mbr., Condenser Plant, Min. Electric d Industry, -c1950-.

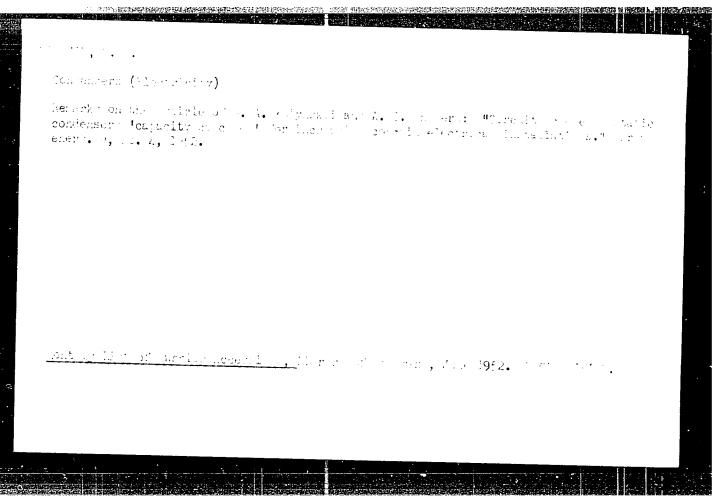
"Value of Static Condensers for the Improvement of Cosine,"

Prom. Energet, No. 5, 1949;

"Soviet Condenser Construction and its Immediate Problems,"

Elektrichestvo, No. 11, 1950.

Stalin 3rd Prize, 1950, high-voltage capacitors.



AID P - 3034

Subject : USSR/Electricity

Card 1/2

Pub. 27 - 21/33

Authors

: Morozov, M. M., Kand. of Tech. Sci., and S. K.

Medvedev, Eng.

Title

: Capacitors for power installations

Periodical: Elektrichestvo, 7, 123-129, Jl 1955

Abstract

: According to the author a-c capacitors of commercial frequency at present have the widest application. They have been greatly improved recently. In the USSR production of special capacitors was started: 1) series capacitors to compensate the reactance of transmission lines, 2) and for high-frequency communication and protection. Series capacitors for outdoor installations have a great overload capacity and permit short voltage surge up to four times the nominal voltage. The author points out most important problems to be solved in the immediate

future in power capacitor design and production.

AID P - 3034

Elektrichestvo, 7, 123-129, J1 1955

Card 2/2 Pub. 27 - 21/33

Two tables, 14 photographs, drawings and diagrams, 3 Soviet references (1946-1949).

Institution: Capacitor Plant of the Ministry of the Electrical

Engineering Industry, USSR.

Submitted : Ap 15, 1955

> CIA-RDP86-00513R001135220008-9" APPROVED FOR RELEASE: 07/12/2001

SEKEY, G.I., inzhener; BERDICHEVSKIY, G.M., inzhener; SERGEYEV, A.S., kandidat tekhnicheskikh nauk; POLYAEOV, V.A., inzhener; MCROZOV, M.M.

Concerning L.V.Litvak's article "Low-voltage capacitors for power factor improvement." Prom.energ.12 no.2:13-16 F '57.

(MIRA 10:3)

1. Giprolesprom (for Sekey). 2. Energosbyt Latvenergo (for Sergeyev) 3. Krivorozhskiy gornorudnyy institut (for Sergeyev). 4. Trest "Kavelelektromontazh" (for Polyakov) 5. Direktor zavoda "Kondensator" (for Morozov).

(Condenseres (Electricity))